



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDSAHOWT4022ACT120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Mon Jul 23 19:06:53 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDSAHOWT4022ACT120-277V

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2693
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1557	1309	1557
55	961	783	961
65	532	420	532
75	311	236	311
85	72	52	72

CANDELA TABULATION

	<u>0</u>
0	1244.904
5	1227.493
10	1215.678
15	1189.496
20	1126.699
25	1033.420
30	939.368
35	844.550
40	757.141
45	664.982
50	539.046
55	398.250
60	274.984
65	207.041
70	157.687
75	109.331
80	59.932
85	21.877
90	5.694
95	2.175
100	1.836
105	1.972
110	1.610
115	1.865
120	2.655
125	3.302
130	3.480
135	3.145
140	2.513
145	2.246
150	2.214
155	2.171
160	2.234
165	2.445
170	2.744
175	2.721
180	3.576

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	450.52	N.A.	16.70
0-30	926.73	N.A.	34.40
0-40	1456.66	N.A.	54.10
0-60	2322.68	N.A.	86.30
0-80	2647.3	N.A.	98.30
0-90	2677.08	N.A.	99.40
10-90	2560.12	N.A.	95.10
20-40	1006.14	N.A.	37.40
20-50	1512.75	N.A.	56.20
40-70	1075.56	N.A.	39.90
60-80	324.62	N.A.	12.10
70-80	115.08	N.A.	4.30
80-90	29.78	N.A.	1.10
90-110	5.20	N.A.	0.20
90-120	7.18	N.A.	0.30
90-130	10.03	N.A.	0.40
90-150	13.87	N.A.	0.50
90-180	15.85	N.A.	0.60
110-180	10.65	N.A.	0.40
0-180	2692.92	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

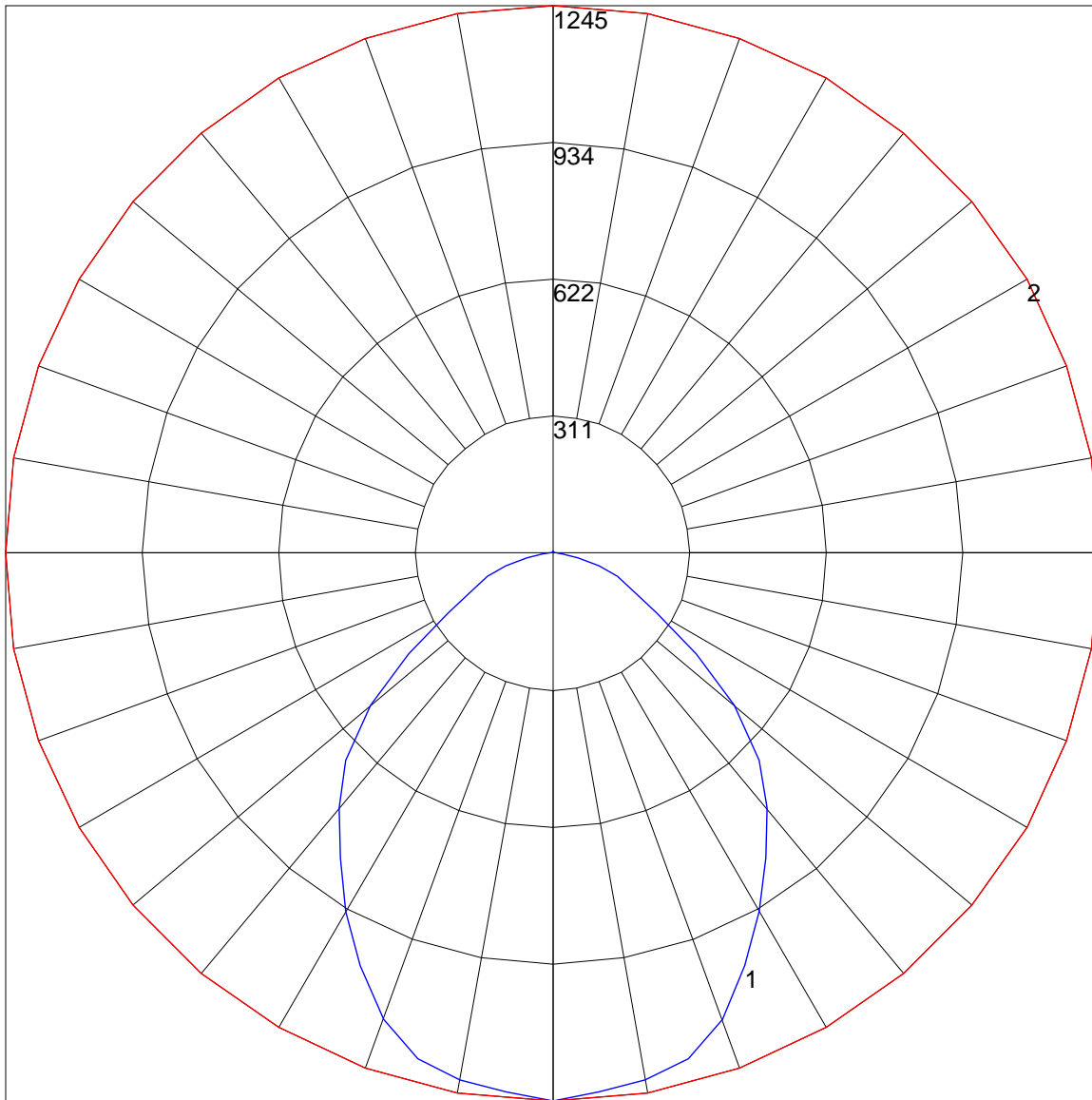
Zone	Lumens
0-10	116.96
10-20	333.56
20-30	476.21
30-40	529.92
40-50	506.61
50-60	359.42
60-70	209.53
70-80	115.08
80-90	29.78
90-100	3.24
100-110	1.96
110-120	1.98
120-130	2.85
130-140	2.39
140-150	1.45
150-160	1.02
160-170	0.69
170-180	0.27

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 1244.904 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)